

# **CONSTRUCTION EQUIPMENT** JOHN DEERE 544K 653783 - DIESEL ENGINE



## Sample No: VCP452239

#### JOHN DEERE ENGINE OIL PLUS 50 II 15W40

Job No:

	NFORMATION			
Sample Number		VCP452239	VCP409339	 
Sample Date		25 Jan 2024	10 Feb 2023	
Machine Hours		19961	19493	 
Oil Hours		0	2000	 
Oil Changed		N/A	Changed	 
Sample Status		ATTENTION	ABNORMAL	 
Sample Status		ATTENTION	ADINORIVIAL	 
VOLVO				
VIL CONDI	TION			
Visc @ 100°C	cSt	<b>11.0</b>	<b>1</b> 2.1	 
Base Number (BN)	mg KOH/g	7.3	6.9	 
Oxidation (PA)	%	82	69	 
	-	NEC	NEC	
Water	%	NEG	NEG	 
Soot %	%	■1.1 02	0.6	 
Nitration (PA)	%	92	88	 
Sulfation (PA)	%	62	60	 
Glycol	%	NEG	NEG	 
Fuel	%	<1.0	0.5	 
Silicon	ppm	5	4	 
Sodium	ppm	0	3	 
Potassium	ppm	6	2	 
VOLVO				
VEAR ME	TALS			
Iron	ppm	25	24	 
Copper	ppm	7	47	 
Lead	ppm	0	□ <1	 
Tin	ppm	0	3	 
Aluminum	ppm	3	2	 
Chromium	ppm		□ <1	 
Molybdenum	ppm	<b>48</b>	66	 
Nickel	ppm	0	□ <1	 
Titanium	ppm	0	<1	 
Silver	ppm	0	0	 
Manganese	ppm	0	1	 
Vanadium	ppm	0	0	 
VOLVO	F			
	7			
Calcium	ppm	1382	1297	 
Magnesium	ppm	<b>466</b>	783	 
Zinc	ppm	984	1195	 
Phosphorus	ppm	<b>750</b>	874	 
Barium	ppm	5	2	 
Boron		22	2	



#### OLDCASTLE LAWN AND GARDEN

2427 RWS RANCH RD DAVENPORT, FL JS 33837 Contact: DAVID ORTIZ david.ortiz@oldcastle.com T: (800)833-2984 E: (863)421-1776

### Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.All component wear rates are normal. No other contaminants were detected in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

 Depot:
 GREDAVFL

 Unique No:
 10863258

 Signed:
 Don Baldridge

 Report Date:
 07 Feb 2024

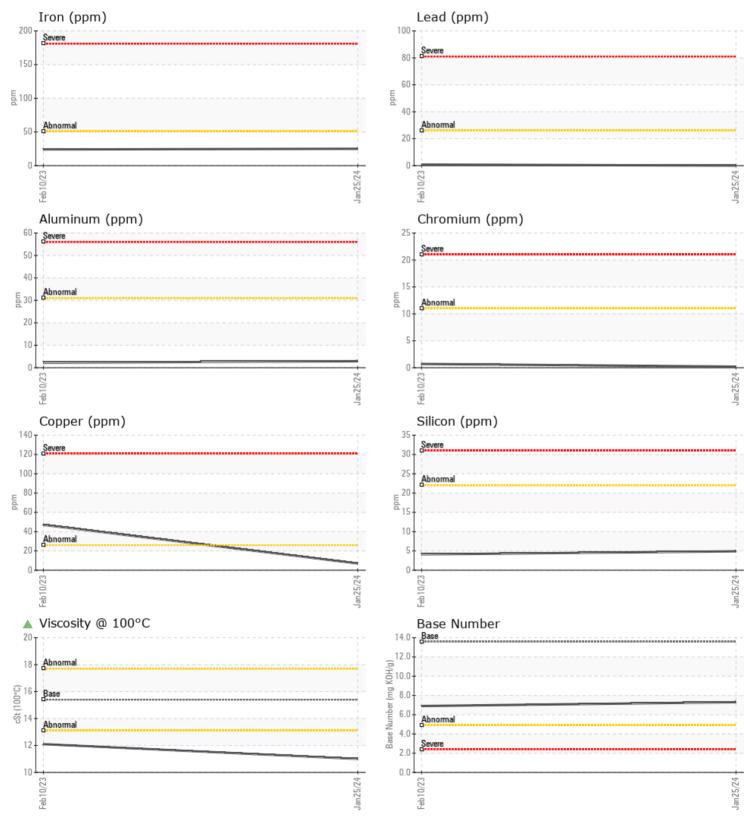
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# **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



Report Id: GREDAVFL [WUSCAR] 06081167 (Generated: 02/09/2024 13:08:40) Rev: 1

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